

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION

SK-38

Effective Date: January 1, 2013

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **March 2014**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.*

**Series CMGII Curb Mounted Aluminum Frame Glazed Skylights, Non-impact Resistant,**  
manufactured by:

**Sun-Tek Manufacturing, Inc.**  
**10303 General Drive**  
**Orlando, Florida 32824**  
**Telephone: (407) 859-2117**

are acceptable for use along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation report.

## PRODUCT DESCRIPTION

The Series CMGII skylights are curb mounted fixed aluminum frame glazed skylights. The frame is manufactured from 6063 T-6 aluminum. Frame assembly is miter cut and TIG welded. The interior frame is made of cellular PVC material with an integral condensation gutter that weeps to the exterior. The glass is glazed with polyurethane compound to the aluminum frame and compressed between the aluminum and the PVC interior frame. The interior frame is held to the aluminum frame with self drilling screws. PVC tape is attached to the bottom of the PVC interior frame for sealing to the curb at installation. The skylights are non-impact resistant. This evaluation report is for skylights based on the following tested configuration:

### General Description:

System	Description	Label Rating
1	Series CMGII Curb Mounted Aluminum Frame Glazed Skylights	SKP/RW-C60 66 x 102

### Component Dimensions:

System	Overall Frame Size
1	65 1/2" x 101 1/2"

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**Glazing Description:**

System	Glass Construction <sup>1</sup>	Glazing Method <sup>2</sup>
1	IG-1	GM-1

Note: <sup>1</sup> See the "Glass Construction Key" for the glazing construction.

<sup>2</sup> See the "Glazing Method Key" for the glazing method description.

**Glass Construction Key:**

IG-1: Insulating glass unit consisting of two (2)  $\frac{3}{16}$ " fully tempered glass lites separated by a Swiggle spacer system.

**Glazing Method Key:**

GM-1: A backbedding of TREMCO U1600 Trem glaze polyurethane sealant by Tremco. EPDM foam glazing tape is located along the interior perimeter, between the frame and the insulating glass unit. The glazing bead is secured to the frame with screws.

**Frame Construction:** The frame is constructed of 6063-T6 aluminum. The frame is miter cut and TIG welded.

**Reinforcement:** None.

**Hardware:** None.

**Product Identification:** A certification program label (NAMI) will be affixed to the skylight. The certification program label includes the manufacturer's name (**Sun-Tek Manufacturing, Inc.**); product name: **CMG II Aluminum Glazed Skylight**; performance characteristics; the approved inspection agency (NAMI); and the following applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

## LIMITATIONS

**Design pressures (DP):**

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	65 $\frac{1}{2}$	101 $\frac{1}{2}$	± 60

**Impact Resistance:** These assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

**Acceptance of Smaller Assemblies:** Identically built assemblies with dimensions equal to or smaller than those specified in this evaluation report are acceptable within the limitations specified in this evaluation report.

## INSTALLATION INSTRUCTIONS

**General:** The skylight assembly shall be prepared and installed in accordance with the manufacturer's recommended installation instructions and this evaluation report. Detailed installation instructions and component drawings are available from the manufacturer.

**Installation:** The skylights shall be secured to a wood curb. The wood curb shall be minimum 2x Southern Yellow Pine dimension lumber. The wood curb and the attachment of the wood curb to the roof framing shall be designed to resist the design pressure of the skylight as specified in this evaluation

report. The wood curb and the attachment of the wood curb to the structure shall be designed by a TDI appointed engineer licensed to practice in the State of Texas.

The skylight shall be secured to the wood curb with minimum No. 10 x 2" screws. The fasteners are driven horizontally through pre-punched holes in the bottom edge of the aluminum skylight frame into the wood curb. The fasteners shall be spaced approximately 3 inches from each corner and approximately  $7\frac{3}{4}$  inches on center along the perimeter of the skylight. The fasteners shall be long enough to penetrate a minimum of  $1\frac{1}{2}$  inches into the wood curb. PVC tape is applied between the wood curb and the skylight frame per the manufacturer's instructions.

**Note:** The manufacturer's installation instructions and the design drawings shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.